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	Application No.	Applicant(s)	
Notice of Allowability	09/883,036	MA ET AL.	
	Examiner	Art Unit	
	Karen B Addison	2834	
The MAILING DATE of this communicatic All claims being allowable, PROSECUTION ON THE MER herewith (or previously mailed), a Notice of Allowance (PT NOTICE OF ALLOWABILITY IS NOT A GRANT OF PAT of the Office or upon petition by the applicant. See 37 CFI 1. ☑ This communication is responsive to 10/27/03.	RITS IS (OR REMAINS) CLOSED in OL-85) or other appropriate commu ENT RIGHTS. This application is s	n this application. If not incurrence unication will be mailed in control	luded lue course, THIS
3. The drawings filed on 11 June 2001 are accepted by	ov the Examiner.		
Acknowledgment is made of a claim for foreign prior a) ☐ All b) ☐ Some* c) ☐ None of the:		r (f).	
 Certified copies of the priority document 	its have been received.		
Certified copies of the priority documen	ts have been received in Applicatio	n No	
Copies of the certified copies of the price	ority documents have been received	d in this national stage app	lication from the
International Bureau (PCT Rule 17.2	?(a)).		
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic pr (a) The translation of the foreign language provis 6. Acknowledgment is made of a claim for domestic pr	sional application has been received	d.	
Applicant has THREE MONTHS FROM THE "MAILING DA below. Failure to timely comply will result in ABANDONME	ATE" of this communication to file a ENT of this application. THIS THR	reply complying with the re EE-MONTH PERIOD IS N	equirements noted OT EXTENDABLE
 A SUBSTITUTE OATH OR DECLARATION must b INFORMAL PATENT APPLICATION (PTO-152) which give 	e submitted. Note the attached EX es reason(s) why the oath or declar	AMINER'S AMENDMENT of ation is deficient.	or NOTICE OF
8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Dr. 1) hereto or 2) to Paper No. including changes required by the proposed fr. (c) including changes required by the attached Ex.	awing correction filed, whic	h has been approved by th	
Identifying indicia such as the application number (see 37 each sheet.	CFR 1.84(c)) should be written on th	e drawings in the front (not	the back) of
9. DEPOSIT OF and/or INFORMATION about the attached Examiner's comment regarding REQUIREMENT	deposit of BIOLOGICAL MATE FOR THE DEPOSIT OF BIOLOGIC	ERIAL must be submitted CAL MATERIAL	1. Note the
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-950 Information Disclosure Statements (PTO-1449), Paper Examiner's Comment Regarding Requirement for Dep of Biological Material 	948) 4 Interview 6 Examine	Informal Patent Application Summary (PTO-413), Paper's Amendment/Comment r's Statement of Reasons for	oer No

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DETAILED ACTION

Allowable Subject Matter

Claims 55-61.64-89 are allowed.

The following is an examiner's statement of reasons for allowance: Prior art shows a a micro mechanical resonator comprising a resonator beam having a first end and a second end, the resonator beam suspended above a substrate by the first end and the second end; providing a lever arm (cantilever), being connected to a bending truss and to the first end of the resonator beam; and using an actuator force to the lever to apply strain onto the resonator beam. Wherein, the actuation force supplied by the actuator proportional to a temperature and a tensil strain is applied to the resonator beam as the temperature increases.

However, Prior art fails to show an actuator to apply an actuation for to the lever arm to apply strain onto the resonator beam wherein, the position on the lever arm where the first end of the resonator beam is connected and where the actuation force is applied are on the same side of the pivot. Prior art also fails to show the an actuator to apply an actuation for to the lever arm to apply strain onto the resonator beam wherein, the position on the lever arm where the first end of the resonator beam is connected and where the actuation force is applied are on the opposite sides of the pivot.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen B Addison whose telephone number is 703-306-5855. The examiner can normally be reached on 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 703-308-1317. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

KBA 10/31/03

Phomas M. Cought

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